

Title (en)

A dual solder process for connecting electrically conducting terminals of electrical components to printed circuit conductors.

Title (de)

Doppellötverfahren zur Verbindung der Anschlusskontakte von elektrischen Bauelementen mit den Leitern von gedruckten Schaltungen.

Title (fr)

Procédé à soudure double pour la connexion des terminaux conducteurs de composants électriques aux conducteurs de circuits imprimés.

Publication

**EP 0274915 A1 19880720 (EN)**

Application

**EP 87311538 A 19871231**

Priority

US 248687 A 19870112

Abstract (en)

A method of providing improved electrical and physical connections between the electrically conducting terminals (40) of an electronic component (100) and the conductors (12) of a printed circuit board (10) by utilising a high temperature solder material formed in mounds (20,22) on defined areas of the conductors, coating the mounds (20,22) with low temperature solder paste (30) and mating the terminals (40) of the component to the mounds (20,22) by forcing them through the low temperature solder coatings (30) prior to reflowing and cooling the low temperature solder.

IPC 1-7

**H05K 3/34**

IPC 8 full level

**B23K 1/00** (2006.01); **B23K 1/20** (2006.01); **B23K 35/26** (2006.01); **H01R 43/20** (2006.01); **H05K 3/34** (2006.01); **H01R 43/02** (2006.01)

CPC (source: EP US)

**B23K 1/203** (2013.01 - EP US); **B23K 35/262** (2013.01 - EP US); **B23K 35/268** (2013.01 - EP US); **H01R 43/205** (2013.01 - EP US); **H05K 3/3421** (2013.01 - EP US); **H05K 3/3442** (2013.01 - EP US); **H05K 3/3485** (2020.08 - EP US); **B23K 2101/40** (2018.07 - EP US); **B23K 2101/42** (2018.07 - EP US); **H01L 2924/00013** (2013.01 - EP US); **H01R 43/02** (2013.01 - EP US); **H05K 3/3463** (2013.01 - EP US); **H05K 2201/10636** (2013.01 - EP US); **H05K 2201/10689** (2013.01 - EP US); **H05K 2201/10727** (2013.01 - EP US); **H05K 2201/10992** (2013.01 - EP US); **H05K 2203/048** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

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EP0411270A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 4739917 A 19880426**; CA 1284190 C 19910514; DE 3780025 D1 19920730; DE 3780025 T2 19930211; EP 0274915 A1 19880720; EP 0274915 B1 19920624; JP H0426797 B2 19920508; JP S63182891 A 19880728

DOCDB simple family (application)

**US 248687 A 19870112**; CA 556244 A 19880111; DE 3780025 T 19871231; EP 87311538 A 19871231; JP 266588 A 19880111